

Sustainable SP pre-basic seed production in Rwanda

Progress review: June 2016 –Dec 2016



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Production: capacities?

Country: Rwanda

Period: current status/From July 2016-November 2016

Facilities	No. units	Irrigation (Y/N)	Total m ²	Method (poly, pot, bench/trough, open)	RMT/ Conventional	Total no. of plants	Multiplication Rate
Screen house	2	NA	440	Pot, Beds	RMT		9
Net tunnels	3	Manuel/ jerrican	9	Beds	RMT		9
Mobile net tunnels	0	NA	—	—	—	—	—
Open field multiplication	2	Y	0.35	Beds	RMT		12
Basic seed multipliers	25	Y	1.5 ha	Beds	RMT and Conventional		6

Production: targets vs actuals?



TC activities	Unit (& size)	Planned No. (for year: June 16-May17)	Achieved: June – August 2016	% achievement
TC initiation	Plantlets	200	40	20% (More initiations are expected to be initiated in Quarter 2)
TC micro-propagation	Plantlets	Not applicable	Not applicable	Not applicable
Hardening	Plants	At least 30,000 plantlets/ year	20,336 plantlets	68%
Screen house multiplication	Cuttings	At least 540,000 cuttings/ year	140,000 cuttings of Pre-basic seeds produced and transferred to open field for large multiplication	25% of achievement
Mobile net tunnel multiplication	Cuttings	Not applicable	Not applicable	Not applicable (It is in plan to build 15 mobile net tunnels)
Open field multiplication	Cuttings	5,500,000 cuttings	1120,000 cuttings	20.1%

Comments on production targets

- Select top high yielding improved OFSP as well as WFSP/ Dual purpose varieties most selected.
- Actions taken to increase multiplication rates:
 - Apply urea to stimulate the growth and cut when vines are enough long (8 weeks at screenhouse)
- Actions to reduce costs of production:
 - Reduce amount of Plantlets at TC/include the lab and increase the plantlets at screenhouse/Increase the number of ratoons and generations at nursery
- Promote and advocate sell of vines by partners/DVM



- No. of varieties under multiplication:
- No. of plants virus indexed (grafted on / *Setosa* and tested with NCM-ELISA)
 - No. found negative (and %)
- % tested within last 6 months and results
 - Variety:.....result:.....
 - Variety:.....result:.....
 - Variety:.....result:.....
- Seed standards and inspection protocol
 - Current status:

Demand projection



Estimated demand for pre-basic cuttings for next season(Jan-July 2017) **Season 2017B**

Proposed prices:

Price	Pre-basic	Basic	QDS	Other	Farmer-to-Farmer
Quantity	270,000	3,500,000	1,500,000	3,000,000	9,000,000
Local	2,700,000	35,500,000	15,000,000	15,000,000	(Free of charge)-
US\$ (1\$=850 Frw)	4,000	45000	20,000	20,000	(Free of charge)- -

For each class – give length of cutting

Pre-basic: 30-40 cm

Basic:60-70 cm

QDS: 60-70 cm

Other: 100-150 cm

Stakeholder meetings

- Date of last stakeholder meeting:
- Number and type of stakeholders
 - Number: 3
 - Type: Growing calendar/Vines sales
- Main agenda items
 - Growing calendars
 - Vines sales
 - Sweetpotato Seed standard
 - SP branding
- Action and follow up points:
 - SP pricing agreement
 - Seed standard doc produced

- **Contact made with National Seed Traders Association:**

- **N**
 - Potential collaboration on SP seed production/ **3 OFSP-Processors**



Vines sales



S.No.	Name of the potensial buyers	Volume of Sales (Number of cuttings sold to this buyers)			Total Revenue Generated	Future requirement by these buyers
		Year 1	Year 2	Year 3		
	Individual	10500			105000	60000
	UDI& IWACU, CARITAS		10000		100000	40000
	Feed The Future		31692		982452	250000
	SUSTAIN		42,000		1302000	180000
	World Vision &CARITAS					2000000
	TUBURA					1500000
TOTAL					2489452	4030000

Revolving fund: status



1. Composition and operation of revolving fund agreed and documented? **Y**
2. How often has RF management committee met over reporting period?
3. Revenue received from sale of cuttings for period June to November 2016 (or by month – **see table above**)
4. Status of budget for pre-basic seed production for 2016/2017:
 - a. Give total budget for PBS production^a: and then the amount to be requested from RF
 - b. Submitted to RF or senior management: give date
 - c. Approved: give actual or projected date.
5. Percentage of total production cost which will be met by revolving fund: **=20-25% (8 millions vs 42 millions)**

^a. NB this budget is for recurrent costs for pre-basic seed production (i.e. not the total project budget)

Training – in-country (June – Nov. 2016)



Date	Topic	No. participants (M/F)	Training materials available	Comments
21 st to 23 rd Sept. 2016	SweetPotato Seed Standard Development	10M &4 F	RSB Manuel (with reference to FAO)	SP seed standard developed and proposed to RSB

Jan – May 2017: key areas for strengthening



- Technical
 - Refresh trainings for inspectors on vines tracking and use of ODK
 - Refresh training on virus indexing and grafting on *setosa*
 - Set up mobile net tunnels
- Institutional
 - Branding and advertising OFSP technologies/varieties
- Financial:
 - Improve our report and Reporting on time

2 BEST PHOTOS



- Seed Certification Meeting
- RSB staff, Private sector, RAB and seed inspectors
- September 2016
- Photo credit: Ndirigwe Jean

- Construction of New screenhouse
- Edward Mbugua
- November 2016
- Photo credit: Ndirigwe Jean